WHAT IS CLAIMED IS:

- 1. A system for converting sound into visual representations, comprising:
 - a plurality of microphones for receiving sound;
 - a filtering unit for directionally filtering received sound;
- a converting unit for converting filtered sound into display control signals;

and

- a display unit for displaying visual representations of the filtered sound based on the display control signals.
- 2. The system of claim 1, wherein at least one of the plurality of microphones and the display unit is mounted on a frame configured for attachment to a human head.
- 3. The system of claim 2, wherein the plurality of microphones and the display unit are both mounted on the frame.
- 4. The system of claim 2, wherein the frame is an eyeglass frame.
- 5. The system of claim 2, wherein the filtered sound is an audio signal representing sound originating from a forward direction relative to the frame.

- 6. The system of claim 1, wherein the microphones are omni-directional microphones.
- 7. The system of claim 1, wherein the visual representations are text symbols.
- 8. The system of claim 1, wherein the filtered sound includes speech in a first human language, and wherein the converting unit converts the filtered sound into display control signals associated with text symbols in a second human language.
- 9. The system of claim 8, wherein the first and second human languages are different.
- 10. The system of claim 2, wherein the display unit displays the visual representations to a user such that the visual representations appear in the user's forward line of sight when the user is wearing the frame.
- 11. The system of claim 2, wherein the display unit is integrated to the frame and projects visual representations directly into a lens supported by the frame.

- 12. The system of claim 2, wherein the display unit projects visual representations onto a screen arranged directly in front of a lens supported by the frame.
- 13. A method for converting sound to visual representations, comprising the steps of:

receiving sound;

directionally filtering the received sound;

converting the filtered sound into display control signals;

displaying visual representations of the filtered sound based on the display control signals.

- 14. The method of claim 13, wherein the sound is received and the visual representations are displayed on a frame configured for attachment to a human head.
- 15. A system for converting sound to visual representations, comprising: means for receiving sound;

means for directionally filtering the received sound;

means for converting the filtered sound into display control signals;

means for displaying visual representations of the filtered sound based on the display control signals.

- 16. The system of claim 15, wherein at least one of the receiving means and the displaying means is mounted on a frame configured for attachment to a human head.
- 17. The system of claim 16, wherein the receiving means and the displaying means are both mounted on the frame.